

Patent  
Attorney Docket: 302,670-11  
(prev 265/083)

**AMENDMENTS TO THE CLAIMS:**

Please cancel claims 1-4 without prejudice.

The listing of claims shown below will replace all prior versions, and listings, of claims in the Application:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (New) A method for sorting a particle of interest from a plurality of particles comprising the steps of:

determining an absorption maxima of the particle of interest;

providing a light source for generating a beam of coherent light at a wavelength correlating to the absorption maxima;

providing a plurality of particles on a support surface;

illuminating the plurality of particles with a moving beam of the coherent light, the moving beam of light causing differential movement between the particle of interest and the plurality of particles; and

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collecting the particle of interest.

6. (New) The method of claim 5, wherein the absorption maxima is a local maxima.

7. (New) The method of claim 5, wherein the absorption maxima is a global maxima.

8. (New) The method of claim 5, wherein the absorption maxima is obtained by empirical data.

9. (New) The method of claim 5, wherein the support surface is a slide.

10. (New) The method of claim 5, wherein the support surface is a microfluidic channel.

11. (New) A method for sorting a particle of interest from a plurality of particles comprising the steps of:

determining an absorption maxima of the particle of interest;

providing a light source for generating a beam of coherent light at a wavelength correlating to the absorption maxima;

providing a plurality of particles on a support surface;

illuminating the plurality of particles with a moving beam of the coherent light;

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moving the plurality of particles in relation to the beam of light so as to cause differential movement between the particle of interest and the plurality of particles; and  
  
collecting the particle of interest.

12. (New) The method of claim 11, wherein the absorption maxima is a local maxima.

13. (New) The method of claim 11, wherein the absorption maxima is a global maxima.

14. (New) The method of claim 11, wherein the absorption maxima is obtained by empirical data.

15. (New) The method of claim 11, wherein the support surface is a slide.

16. (New) The method of claim 11, wherein the support surface is a microfluidic channel.